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SIBERIAN ACADEMY OF SCIENCES MEETS;
USSR LATVIAN ACADEMIES ELECT

SIBERIAN SCIENCE AFFILIATE HOLDS FOURTH SESSION

Session Opened, 7 May -- Sovetskaya Sibir', No 89, 7 May 49

The Fourth Session of the West Siberian Affiliate of the Academy of Sciences USSR opened on 7 May and will continue until 11 May. The first meeting was opened with a report by Ye. I. Pesikina, Candidate in Historical Sciences and secretary of the Novosibirsk Christ Committee VKP(b), on bourgeois cosmopolitanism and Soviet patriotism.

Sovetskaya Sibir', No 20, 8 May 49

Among those taking part in the work of the fourth session are: Laureates of the Stalin Prize G. V. Rodionov and K. V. Radugin; V. A. Krotov, Irkutsk, deputy director of the East Siberian Affiliate of the Academy of Sciences; Prof Dr Yu. A. Kunzstov, S. I. Zolotov, Sverdlovsk, Senior Scientific Associate at the All-Union Coal Chemical Institute; V. M. Meshkhallo, Krasnoyarsk, deputy director of the Siberian Scientific Research Institute of Timber Management; A. A. Plotnikov, docent of the Omsk Agricultural Institute; M. M. Runin, chief of the West Siberian Geology Administration.

Reports Presented. May 8 Plenary Session: -- Sovetskaya Sibir', No 91, 10 May 49

The morning plenary session on 8 May of the Fourth Session of the West Siberian Affiliate of the Academy of Sciences USSR opened with a report by A. N. Zelenin, Doctor of Technical Sciences, on "Principles of the Physical Theory of Cutting Earth by Excavation Machinery." Zelenin's many experiments have helped to solve several problems connected with excavation and the design of new and improved excavation machinery.

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Prof. L. S. Litveyer discussed "The Sulphate Method of Obtaining Aluminum Oxide From the Raw Material Features of Western Siberia."

Prof. N. A. K. Dolgopriyorkin gave a report on the problem of casting cutting tools. He pointed out that, in producing cutting tools by casting, there are no restrictions on the composition of the steel used. This substantially improves the quality of the tool, since it is not necessary to submit the steel to forging and firing. The report concluded with facts on the economic effect of casting cutting tools.

B. V. Svinishnikov, Candidate in Technical Sciences, gave a report entitled "For a Theory of Percussion Machinery" which discussed improvement in the design of pneumatic machinery used in mining, construction, and the metal-processing industry.

N. I. Vasyagin, Candidate in Chemical Sciences, discussed the raw material resources of the salt lakes of the Kulunda Steppe and means of their industrial utilization.

The following reports were presented at the evening session: Prof. Dr. V. V. Reverdatto, Laureate of the Stalin Prize and honored active worker in science, on "Several Results of Work With New Medicinal and Vitaminic Plants of Siberia"; K. A. Sobolevskaya, Candidate in Biological Sciences, on "Plant Growth in Ruva and Its Significance in the Development of Animal Husbandry of Novosibirsk Oblast"; G. V. Krylov, deputy director of the affiliate's botanical garden for the scientific section, on "Fundamental Problems of Planning Shelter Belts in Western Siberia." At the end of the session, reports were heard from Prof. Dr. A. A. Vorob'yev, director of the Tomsk Polytechnical Institute, and M. Yu. Grigor'yev, Scientific Associate at the Kuznetsk Scientific Research Coal Institute.

Scientific Section Reports, May

The following presented reports at the session of the geology section and the section of mechanization of the mining industry: Prof. Dr. N. A. Chirakal, Laureate of the Stalin Prize and director of the Mining and Geology Institute, West Siberian Affiliate, Academy of Sciences USSR, "Results of Five Years of Work of the Mining and Geology Institute, West Siberian Affiliate, Academy of Sciences USSR"; Prof. Dr. M. K. Korovin, honored active worker in science and technology and deputy director of the Mining and Geology Institute, "Results of Five Years of Work of the Geological Sector of the Mining and Geological Institute"; A. N. Zelenin, Doctor of Technical Sciences, "Principles of the Physical Theory of Cutting Earth"; Scientific Associate N. N. Yasin, "Rating an Electric Pneumatic Hammer by Comparison Methods"; Scientific Associate M. M. Savkin, "Problem of Dispatching in Underground Hauling by Electric Locomotive"; and Engineer P. A. Loginov, "Mining Equipment and Means of Improving It."

The following gave reports at the meeting of the chemistry section: T. V. Zabolotskiy, Candidate in Technical Sciences and director of the Chemistry and Metallurgy Institute, West Siberian Affiliate of the Academy of Sciences USSR, "Activity of the Chemistry and Metallurgy Institute in the Last Five Years"; N. I. Vasyagin, Candidate in Chemical Sciences, "Burlinskoye Lake and Its Hydraulic Engineering System Observed Over a Long Period"; Yu. P. Nikol'skaya, Candidate in Chemical Sciences, on "Enriching the 'Kara-tuz' in Burlinskoye Lake"; G. S. Sedelnikov, Candidate in Sciences, on "New Methods of Obtaining Soda"; Ye. S. Telenskiy, head of laboratories at the Mikhaylovskaya Geological Party of the All-Union Institute of Halurgy, on "The Chemism of Lakes of the Salt-Lake Steppe."

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The following gave reports at the session of the transport and power-engineering sections: Prof. Dr. I. N. Butakov, honored active worker in science and technology and director of the Transport and Power Engineering Institute, on "Five Years of Work of the Transport and Power Engineering Institute of the West Siberian Affiliate"; Prof. V. M. Yermayev, Director-Colonel of Roadways and Construction, on the "Basic of Constructing a Transport Network in West Siberia"; N. S. Shekagolov, Director-Colonel of Roadways and Construction, on "Experiments in Accelerated Construction of Railroads."

At the session of the biology, zoology, and winter sections, the following gave reports: Prof. Dr. V. V. Reverdatto, Laureate of the Stalin Prize, honored active worker in science and director of the Medical Biology Institute, on "Five Years of Work of the Medical Biology Institute of the West Siberian Affiliate"; Scientific Associate N. N. Protogopov, on "Several Problems in the Economic Development of Novosibirsk Oblast"; and A. S. Kharchenko, Candidate in Technical Sciences, on the "Problem of Complex Mapping of West Siberia."

Section Reports, 10 May -- Sovetskaya Sibir', No 92, 11 May 49

The sections continued their work in sessions held on 10 May. Reports given at the session of the geology section included: Prof. Dr. P. A. Nikitin of the West Siberian Geology Administration on "Neocene History of the West Siberian Lowlands"; Scientific Associate V. V. Vadorin on "Stratigraphy of the Tertiary and Quaternary Deposits of the Kamensko-Ordyn Region Along the Ob' River"; Scientific Associate V. A. Nikolayev on "The Geological Structure of the Barabinsk Plain"; Scientific Associate Ye. V. Shumilova on "Material on the Paleogeography of the Mesozoic and Cenozoic Eras in the Central Part of the West Siberian Lowland According to its Terrigenous Components."

Scientific Associate G. N. Pokrovskiy reported on the "Results of Testing Coal Flashes in the Kuzbass" at the session of the section of mechanization of the mining industry.

The following reports were given at the session of the chemistry sections: Prof. Dr. L. V. Geblen, honored active worker in science and technology, on "Ways of Expanding the Raw Material Base of Metallurgical Fuel in the East"; V. A. Vekhov, Candidate in Technical Sciences, on "The Role of Volatile Substances in the Process of Forming Coke"; N. I. Gnedin, Candidate in Technical Sciences, on "The Condensation of Coal Charges by Mechanical Action"; Ye. N. Ioskutov, Candidate in Technical Sciences, on "The Role of Liquid volatile Products in the Mechanics of Forming Coke"; O. K. Nikiforova, Candidate in Technical Sciences, on "The Use of Several Aromatic Nitro Compounds as Dyes"; A. P. Pentegov, Candidate in Technical Sciences, on "Oleoresin of the Siberian Cedar -- Its Extraction, Properties, and End Products From Refining"; S. V. Netupskaya on "Composition of Cedar Turpentine."

The following reports were given in the metallurgy section: Prof. Dr. A. N. Dobrovodov on "Results of the work of the Metallurgical Sector of the Chemistry and Metallurgy Institute"; Prof. Dr. A. M. Rozenberg on "Modern Problems in the Theory of Casting Metals"; Scientific Associate N. F. Konoplev on "Organizing and Planning Foundry Work"; Scientific Associate O. F. Stankevich on "The Technology of Foundry Work in the 'Trud' Plant"; D. P. Zimin, candidate in Technical Sciences, on "Several Problems of Friction in Cutting Metals"; M. G. Morozov, Candidate in Technical Sciences, on "The Relationship of Tungsten and Carbon in Casting High-Speed Steel"; Scientific Associate K. A. Bessonov on "High-Speed Steel With Nickel"; assistant I. T. Tikhonov of the Tomsk Polytechnical Institute on "High-Speed Molybdenum Steels."

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The following reports were presented at the session of the transport and power engineering section: S. A. Tikhalevich, Director-Colonel of Roadbeds and Construction, on "Washouts and Methods of Combating Them"; A. K. Dyumin, Engineer-Major of Roadbeds and Construction, on "Standards of Designing and Maintenance of the Elevation of Surface Rails"; A. V. Machnev of "Sibtransproyekt" (Planning of Siberian Transport Facilities), Engineer-Major of Roadways and Construction, on "Increasing the Capacity of Spans of Small Bridges"; Engineer M. S. Bochenkov, Administration of the Tomsk Railroad System, on "Results of Using Pre-Assembled Rail Sections in Winter and Spring"; P. N. Kondakov of the Administration of the Tomsk Railroad System, Director-Colonel of Roadbeds and Construction, on "Experience in Combating Snow in the Tomsk Railroad System."

The following gave reports at the session of the botany section: Hero of Socialist Labor A. K. Kuzmin of the "Soyuz stroitei" Kolkhoz, Oyashinskiy Rayon, on "Agronomical Experiments in Raising Several Types of Grain Crops"; Scientific Associate M. I. Kalugin on "Achievements in the Cultivation of Seeded Grass"; A. I. Korlovskiy, Candidate in Agricultural Sciences, on "Experimental Data on Cultivation of Fodder Root Plants from Seeds"; V. S. Fedorova, Candidate in Biological Sciences, on "The Influence of Environmental Factors on the Accumulation of Carotin in Siberian Fodder Grasses"; Scientific Associate L. G. Masharova on "Problems and Methods of Scientific Research in Studying the Chemical Makeup of Fodders"; B. D. Ignatyev, Candidate in Biological Sciences, on "Carotin Concentrate from Sea Buckthorn and Its Uses"; Scientific Associate K. P. Volgina on "The Chemical and Polyvitaminic Composition of Sea Buckthorn and Sea Buckthorn Oil."

The following reports were presented at the session of the zoology section: Prof Dr B. G. Iogansen-Tumsk, on "Study of the Fertility of Fish"; P. I. Vovk, Candidate in Biological Sciences, on "The Morphological Variability of the Ide in the Ob' River and Lake Sartlan"; V. N. Grez, Candidate in Biological Sciences, on "Plankton of the Don River -- Its Role in Feeding Fish and Methods of Calculating It."

The timber section heard the following reports: V. N. Tikhomirov, Candidate in Agricultural Sciences, on "Siberian Timber and Prospects of Developing the Timber Industry and Timber Management"; Professor Scientific Associate V. M. Meskallio on "Methods of Utilizing Timber Areas in Mountain Regions of Siberia"; Scientific Associate G. V. Krylov on "The System of Felling Trees in West Siberia"; Engineer V. P. Syrkin of the "Zapsibdrev" Trust on "The Status of Sawmilling in Western Siberia and Methods of Developing Its Technology."

The section on economics heard the following reports: Scientific Associate M. N. Kolobkov on "Basic Trends and Prospects of Development of the National Economy of the Khabarovsk Autonomous Oblast"; Scientific Associate I. Ye. Ryabov on "Fundamental Problems in Improving Grain Cultivation in Kulunda Regions on the Basis of the Crop Rotation System"; and V. P. Yershov of the Novosibirsk Butter Industry on "Status and Prospects for Development of the Butter Industry in Novosibirsk Oblast."

Concluding Session, 11 May -- Sovetskaya Sibir', No 93, 13 May 49

The concluding plenary session was held on 11 May. A Kuzbass miner spoke of the assistance rendered by the affiliate and the Mining and Geology Institute to Kuzbass mines and appealed for further scientific and technological discoveries related to mining and mine equipment.

Results of the work of the sections were presented by N. A. Chinakal, T. V. Zabolotskiy, I. M. Bolakov, V. V. Reverdatto, and M. N. Kolobkov, chief of the Bureau of Economic Research.

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A. T. Logvinenko, Chairman of the Department of Sciences and chairman of the presidium of the Affiliate, presented the resolutions on reports heard in the plenary sessions. The resolutions were confirmed by the session.

In conclusion, A. A. Zakharenko stated that the 122 reports given at the session indicated the close cooperation between institutions and interested organizations and agencies and have shown the true progress of the work of the West Siberian Affiliate.

TOPCHIEV ELECTED TO ACADEMY -- Krasnodarskaya Pravda, No 109, 7 Jun 49

A general session of the Academy of Sciences USSR was held on 4 June. The morning session was devoted to organizational problems. M. M. Dubinin, academician-secretary of the Chemical Sciences Section, Academy of Sciences USSR, nominated Prof A. V. Topchiyev to fill a vacancy in the Department of Organic Chemistry. The nomination was seconded by Academicians A. N. Nesmeyanov and S. S. Nametkin and Topchiyev was unanimously elected an active member of the Academy.

Academician B. A. Kuznetsov later gave a report on the chemical composition of petroleum. Several history reports were also given. Academician S. I. Vavilov, President of the Academy of Sciences USSR, presided.

LITHUANIAN ACADEMY CANDIDATES ANNOUNCED -- Sovetskaya Litva No 136, 11 Jun 49

In conformity with Statute 19 of the Academy of Sciences Lithuanian SSR, the Academy announces the names of candidates from scientific institutes who have been proposed for active membership in the Academy of Sciences Lithuanian SSR. The recommendations conform to an announcement of 5 April 1949.

The candidates are:

Kostas Pranovich Korsakas, corresponding member, Academy of Sciences Lithuanian SSR, Director, Institute of Lithuanian Literature, Academy of Sciences Lithuanian SSR, professor, Chair of Lithuanian Literature, Vil'nyus State University, writer, member of administration of Union of Soviet Writers Lithuanian SSR. He is proposed by the Scientific Council, Institute of Lithuanian Language and Literature, Academy of Sciences Lithuanian SSR.

Boris Aleksandrovich Larin, corresponding member, Academy of Sciences Ukrainian SSR, professor of languages, Leningrad Order of Lenin State University. He is proposed by the Scientific Council, Institute of Lithuanian Language and Literature, Academy of Sciences Lithuanian SSR.

This announcement is signed by Yu. Zhyugzba, Vice-President of the Academy of Sciences Lithuanian SSR, and K. Belyukas, Academic Secretary of the Academy of Sciences Lithuanian SSR.

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